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PTO/SB/21 (08-00)

Approval for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/771,961	
	Filing Date	Jan 29, 2001	
	First Named Inventor	Turner	
	Group Art Unit	1647	
	Examiner Name	F.M. Hamud	
Total Number of Pages in This Submission	19	Attorney Docket Number	LEX-0121-USA

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OCT 11 2002
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ENCLOSURES (check all that apply)		
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<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): return postcard
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Lance K. Ishimoto Reg. No. 41,866 Lexicon Genetics Incorporated
Signature	
Date	October 2, 2002

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 2327, Arlington, VA 22202 on October 2, 2002 this date:			
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Turner *et al.*

Group Art Unit: 1647

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Application No.: 09/771,961

OCT 11 2002

Examiner: F.M. Hamud TECH CENTER 1600/2900

Filed: 01/29/01

Title: Novel Human Membrane Proteins and
Polynucleotides Encoding the Same

Atty. Docket No.: LEX-0121-USA

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AMENDMENT AND RESPONSE TO OFFICE ACTION
DATED JULY 2, 2002

Commissioner for Patents
Arlington, VA 22202

Sir:

Applicants acknowledge the receipt of the Office Action ("the Action") mailed on July 2, 2002, which has been carefully reviewed and studied. The Examiner is respectfully requested to enter the following amendments. Reexamination and reconsideration of the application is requested in view of the following amendments and remarks. In order to facilitate the Examiner's evaluation of the application, Applicants have attempted to address the objections and rejections in the same order in which they were originally raised.

The response is thus timely filed. Applicants believe no fees in addition to the fee for the extension of time are due in connection with this response. However, the Commissioner is authorized to charge any underpayment or credit any overpayment to Deposit Account No. 50-0892.

Also included herewith are: as **Exhibit A**, a clean copy of the pending claims; as **Exhibit B**, a marked up copy of the original claims; as **Exhibit C**, a BLASTP analysis comparing the amino acid sequence of SEQ ID NO: 2 and International Protein Index accession number IPI00083978.2; as **Exhibit D**, a BLASTN analysis comparing the nucleic acid sequence of SEQ ID NO:1 with GenBank Accession No. XM_084868; as **Exhibit E**, the GenBank description of Accession No. XM_084868.